

# Dr. Fixit Tank Prime



TWO-COMPONENT, SOLVENT FREE, FLEXIBLE POLYURETHANE PRIMER

## Description

Dr. Fixit Tank Prime is a solvent-free, two component polyurethane based primer coat recommended for concrete and masonry substrates. It has excellent adhesion to concrete and other cementitious substrates. This primer is suitable for application over concrete surfaces and recommended for both old and new concrete substrate.

## Areas of Applications

- Primer for Dr. Fixit® range of polyurethane range of products.
- Primer when humidity barrier properties are required.
- Sealing coat for concrete.

## Features & Benefits

- Ease of application: 1:1 by volume application ratio by brush/roller.
- Good Penetration: Low viscosity penetrates concrete surfaces.
- Bonding: Strong adhesion even on damp or green concrete.
- Safe to apply: Low-odour, safe and non-flammable (zero VOC).

## Method of Application

The quality & performance of final coating is dependent on the substrate & material / application temperature. The recommended substrate temperature is min 5°C & max 30°C

## SURFACE PREPARATION

- Remove laitance, dirt & unsound plaster or concrete, paints, oil, grease. curing compounds, corrosion deposits & algae etc.
- Roughen the surface by any mechanical means like wire brushing, sand or grit blasting to improve bonding.
- Clean the surface by vacuum cleaner or other suitable means to remove dust & dirt.
- The compressive strength of the concrete substrate should be at least 15 MPa at 28 days.

## MIXING & APPLICATION

- The resin & hardener components should be stirred separately in their individual packs.
- The entire content of the Part-B (hardener) should be poured into the Part-A (resin) & thoroughly mixed using a slow speed stirrer / drill with mixing paddle for 2-3 minutes. The sides of the container should then be scraped & mixing should continue for further 2 minutes.

## APPLICATION

- Dr. Fixit Tank Prime application to be in thin coats only. Apply with roller in one or two coats with total maximum consumption of 200 gm/m<sup>2</sup>.
- The recoat time of Dr. Fixit Tank Prime is highly dependent on weather conditions; it can be as low as 2 hours during summer and as high as 24 hours during winter.

## CLEANING

- Clean tools and equipment first with paper and then using water. Under no circumstances should they be re-used to mix/apply polyurethane products.

## Precautions & Limitations

- For best results, the temperature during application and cure should be between 10°C and 35°C. Low temperatures retard cure while high temperature accelerates curing.
- Do not dilute with any solvent or thinner.
- Do not apply very thick coat.
- Pot life will shorten during extreme summer and application needs to be rescheduled in the cooler evenings.



- Although it does not contain volatile substances, it is highly recommended that closed spaces be well ventilated.
- Careful supervision during application is needed, particularly in ensuring proper consumption & curing of the material..

### Technical Information

Properties	Test Method	Observed Value
Mix Ratio (Hardener Part A: Resin Part B) by volume	Internal	1:1
Viscosity (Brookfield)	Internal	Resin : 150-1650 mPas Hardener: 100-400 mPas
Specific Gravity of mix	ASTM D1475 @25 °C	1.1
Pot life	@25 °C	30 min
Recoat time	--	6-24hrs
Adhesion to concrete	ASTM D7234	2Mpa (concrete failure)

### Packaging

1.6 Kg (comp. A: 0.7 Kg, comp. B: 0.9 Kg)

### Theoretical coverage

Apply in one or two thin coats with total consumption of 200 gm/m<sup>2</sup>.

### Shelf Life

Can be kept for 12 months minimum in the original unopened pails in dry places and at temperatures of 5-25 oC. Once opened, use as soon as possible.

### Other Products Categories available

Dr. Fixit brings you the widest range of Construction Chemicals



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